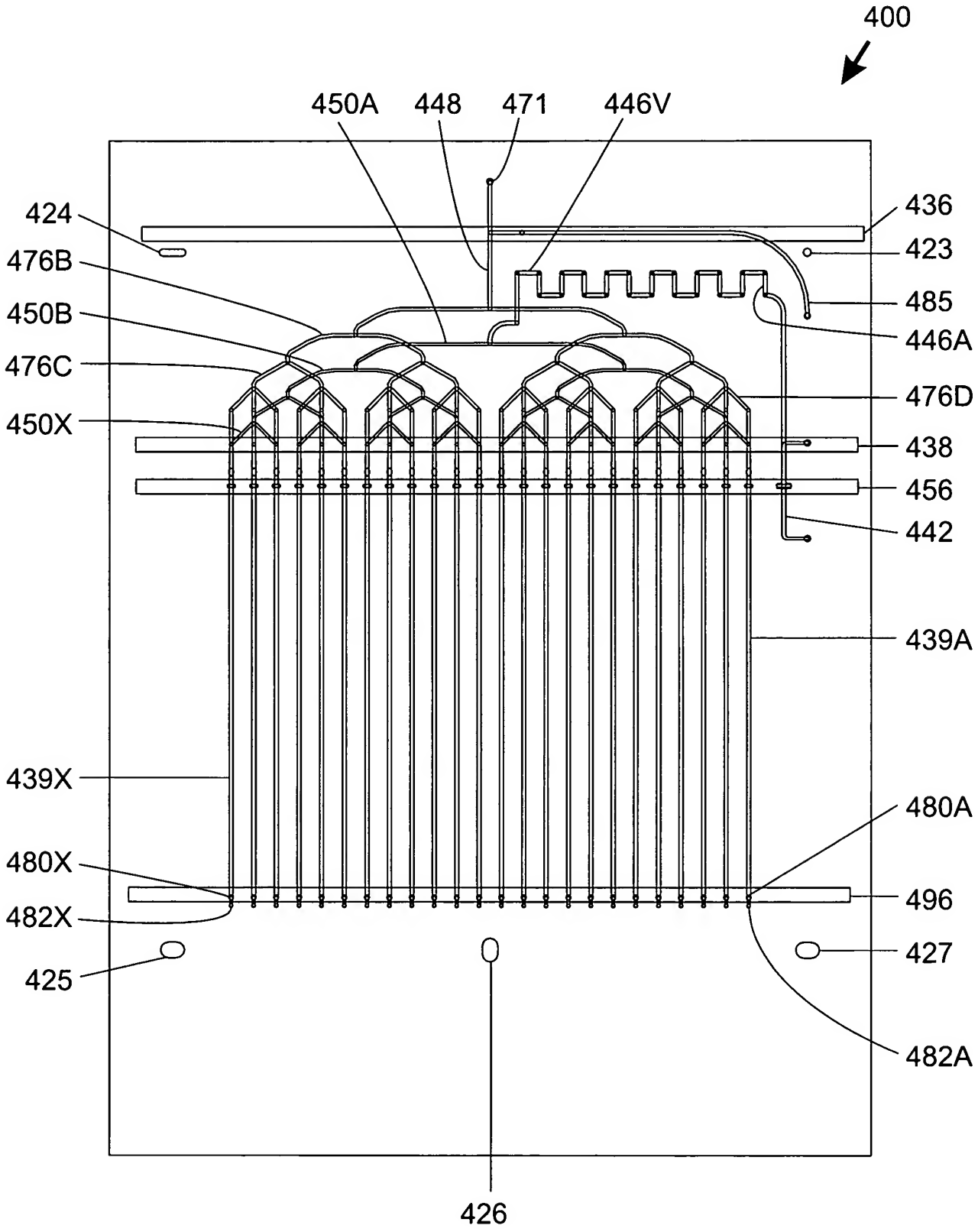
400
450A
448
471
446V
424
476B
450B
476C
450X
436
423
485
446A
476D
438
456
442
439A
439X
480A
480X
496
482X
427
425
482A
426

FIG._1

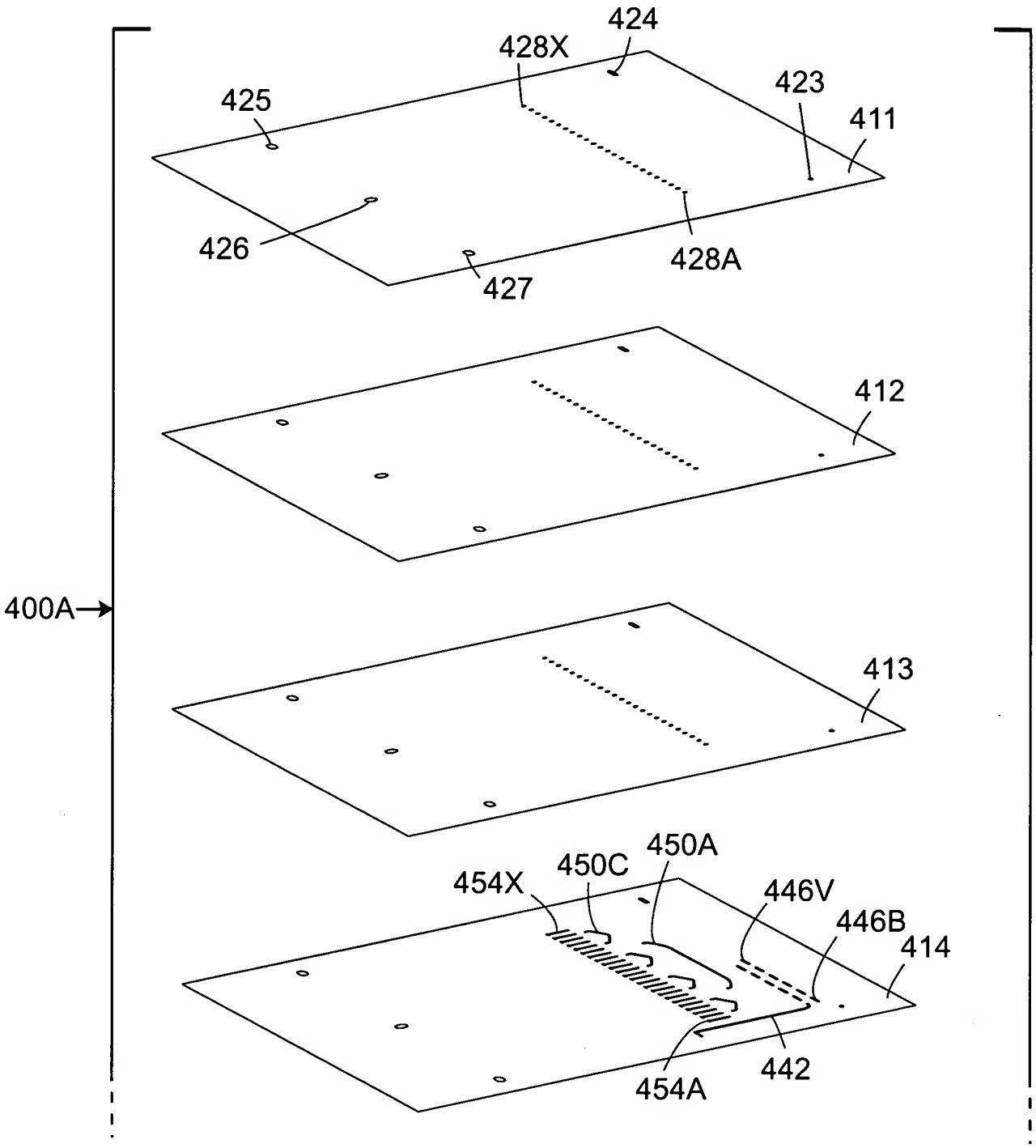
424
428X
425
423
411
426
428A
427
412
400A
413
450A
450C
454X
446V
446B
414
442
454A

FIG._2A

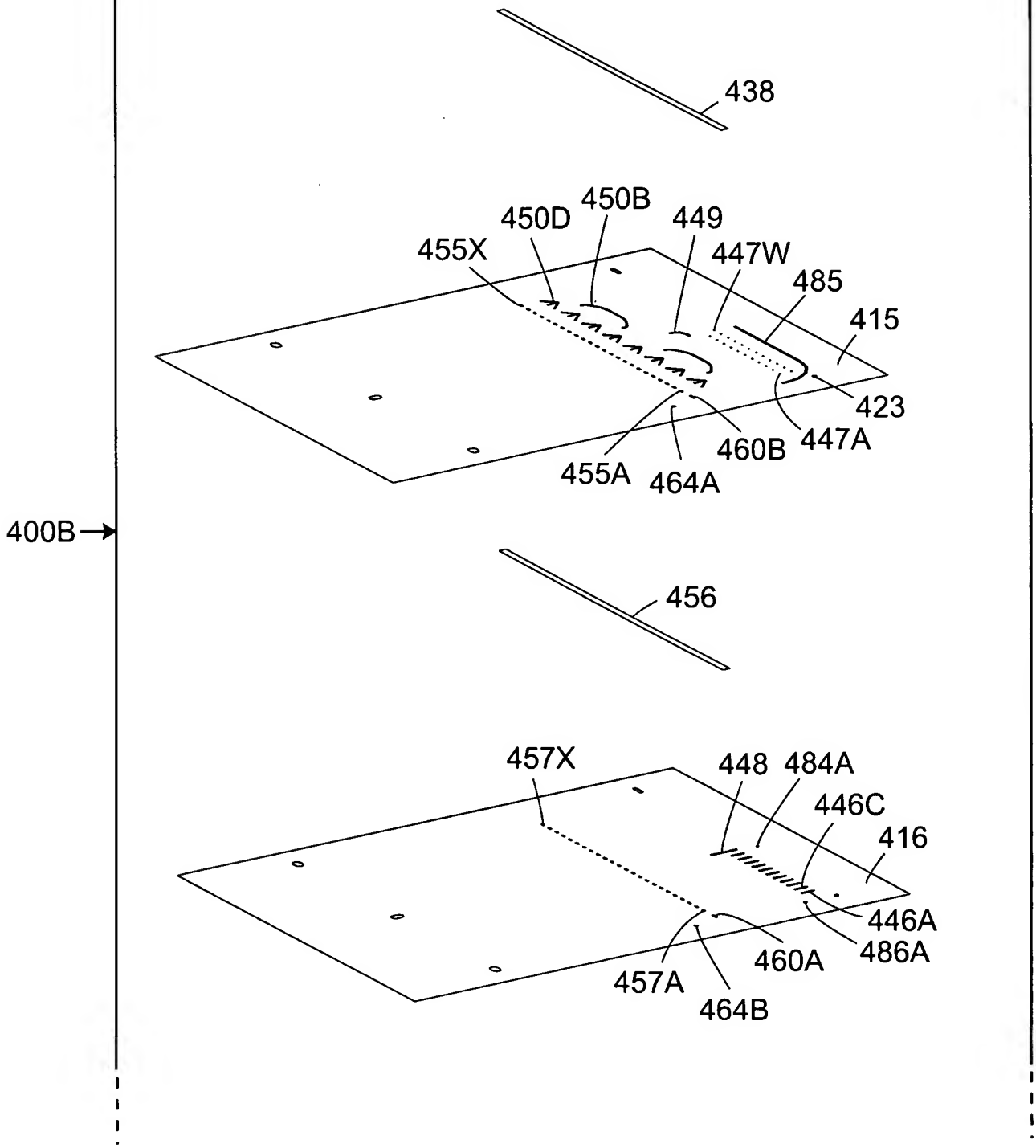
438
450D
450B
449
455X
447W
485
415
423
460B
447A
455A
464A
400B
456
457X
448
484A
446C
416
446A
460A
486A
457A
464B

FIG._2B

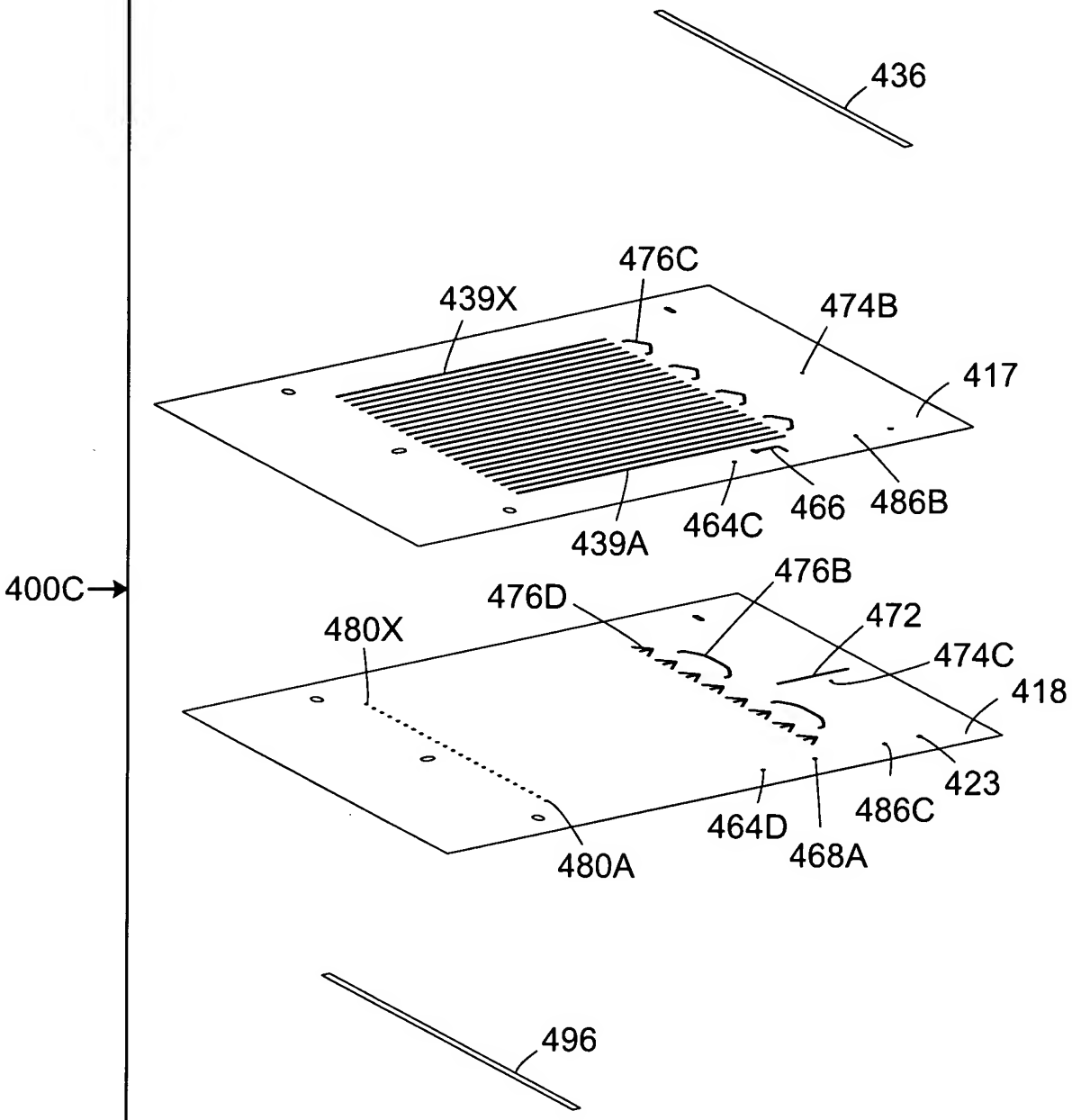
436
476C
439X
474B
417
466
486B
464C
439A
400C
476B
476D
472
480X
474C
418
423
486C
464D
468A
480A
496

FIG._2C

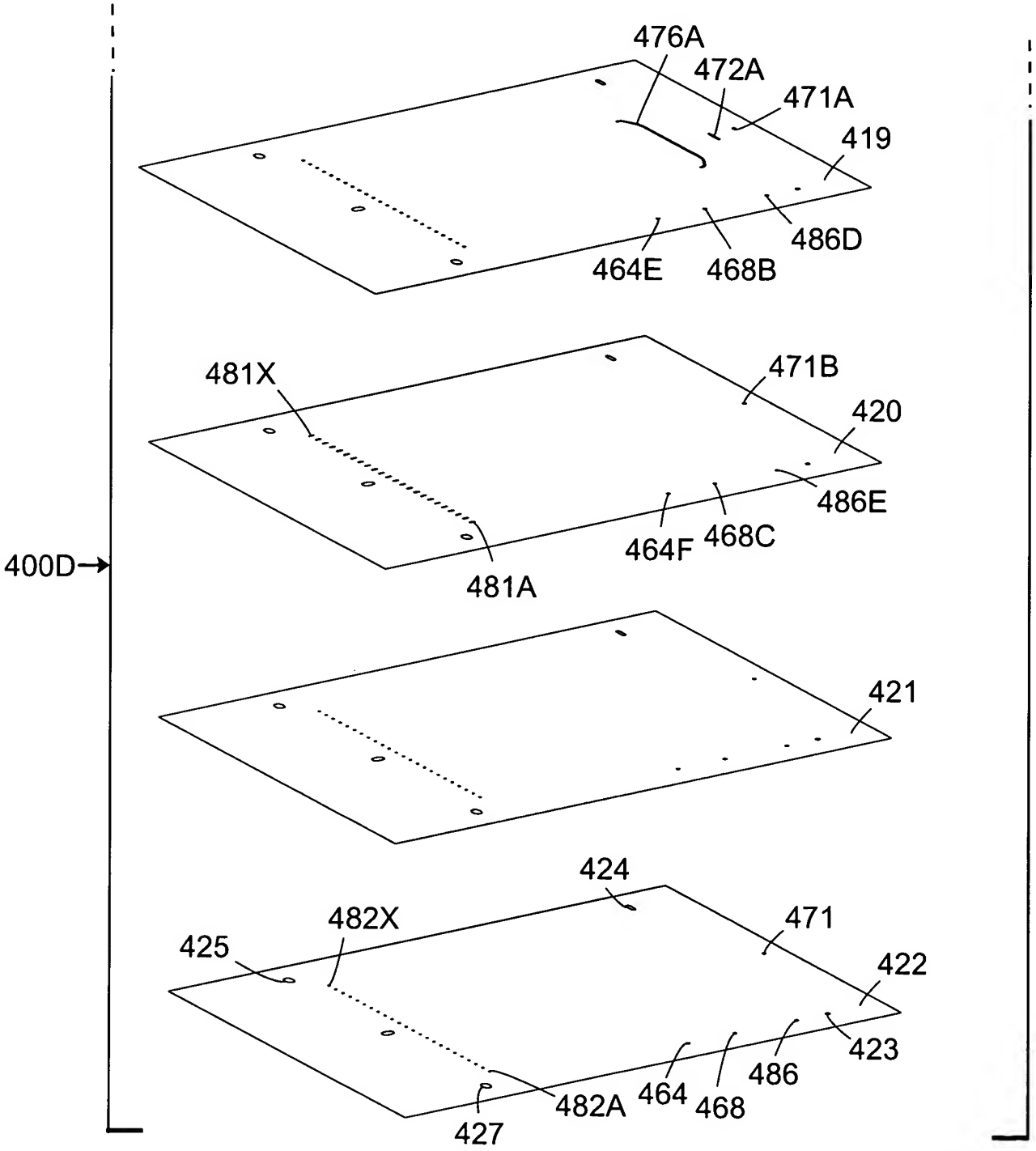
476A
472A
471A
419
486D
464E
468B
481X
471B
420
486E
464F
468C
481A
400D
421
424
482X
471
425
422
423
486
464
468
482A
427

FIG._2D

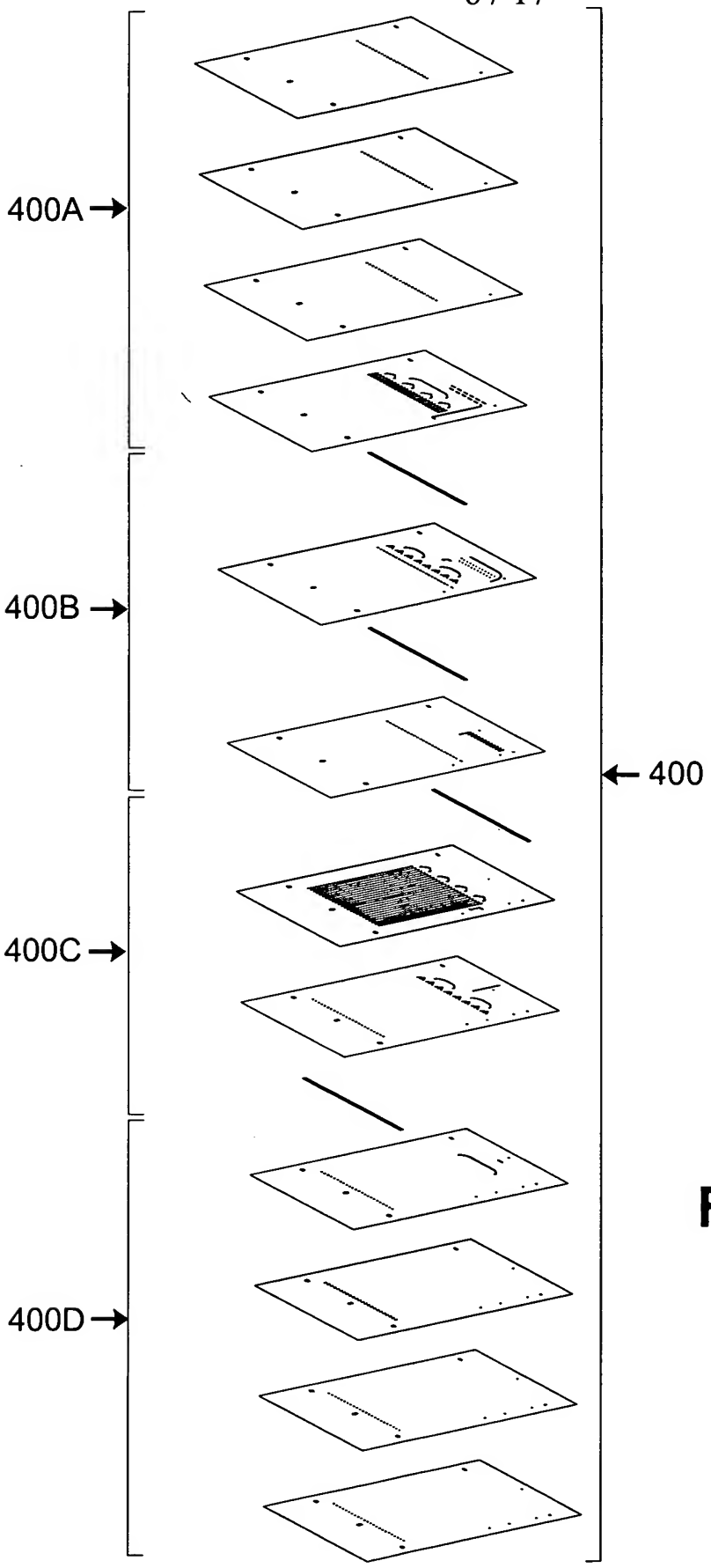


FIG._2E

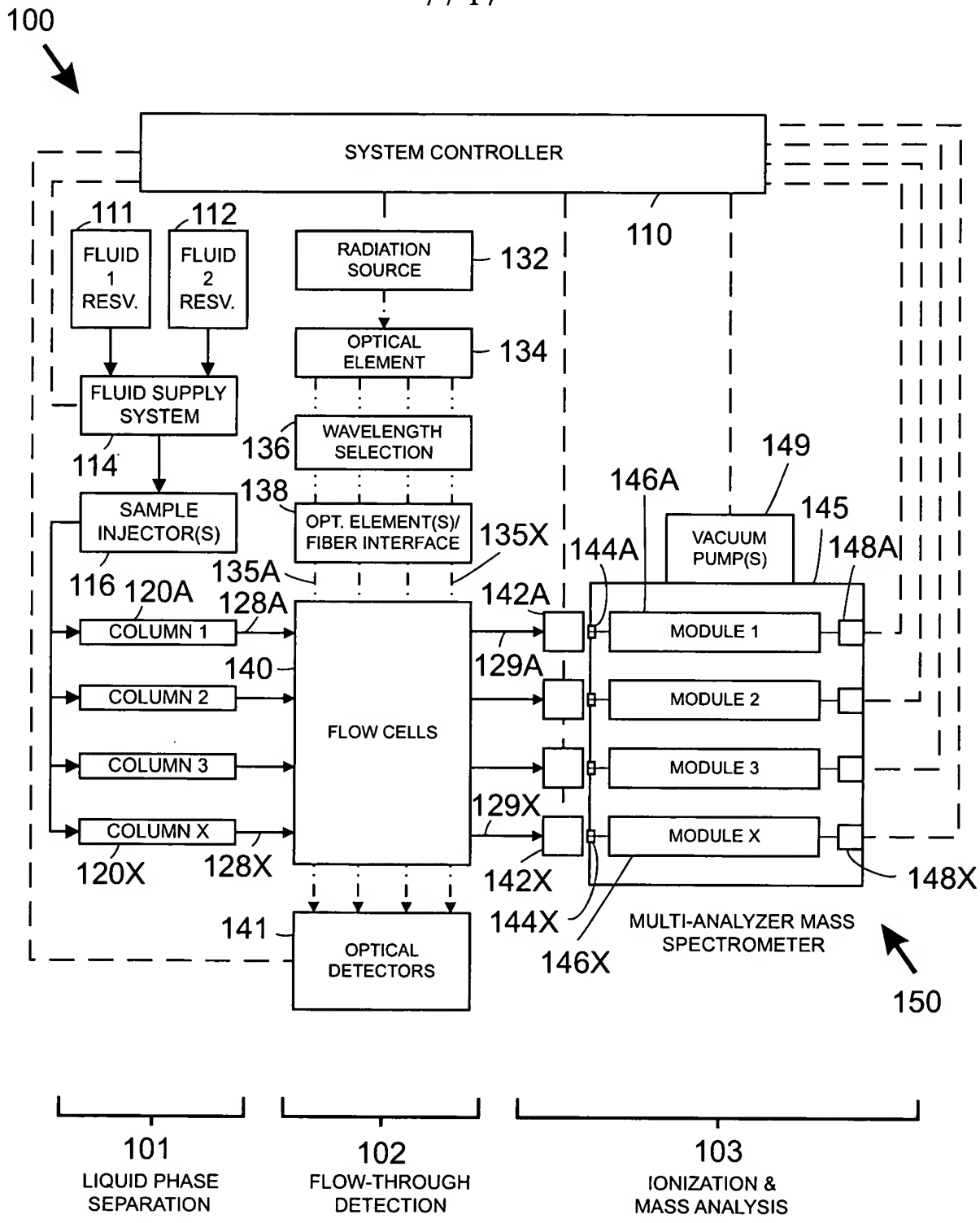
100
SYSTEM CONTROLLER
110
111
112
FLUID 1 RESV.
FLUID 2 RESV.
FLUID SUPPLY SYSTEM
114
SAMPLE INJECTOR(S)
116
120A
128A
COLUMN 1
COLUMN 2
COLUMN 3
COLUMN X
120X
128X
140
FLOW CELLS
141
OPTICAL DETECTORS
RADIATION SOURCE
132
OPTICAL ELEMENT
134
WAVELENGTH SELECTION
136
138
OPT. ELEMENT(S)/ FIBER INTERFACE
135A
135X
142A
129A
129X
142X
144X
146X
144A
146A
149
VACUUM PUMP(S)
145
148A
148X
MODULE 1
MODULE 2
MODULE 3
MODULE X
MULTI-ANALYZER MASS SPECTROMETER
150
101
LIQUID PHASE SEPARATION
102
FLOW-THROUGH DETECTION
103
IONIZATION & MASS ANALYSIS

FIG._3

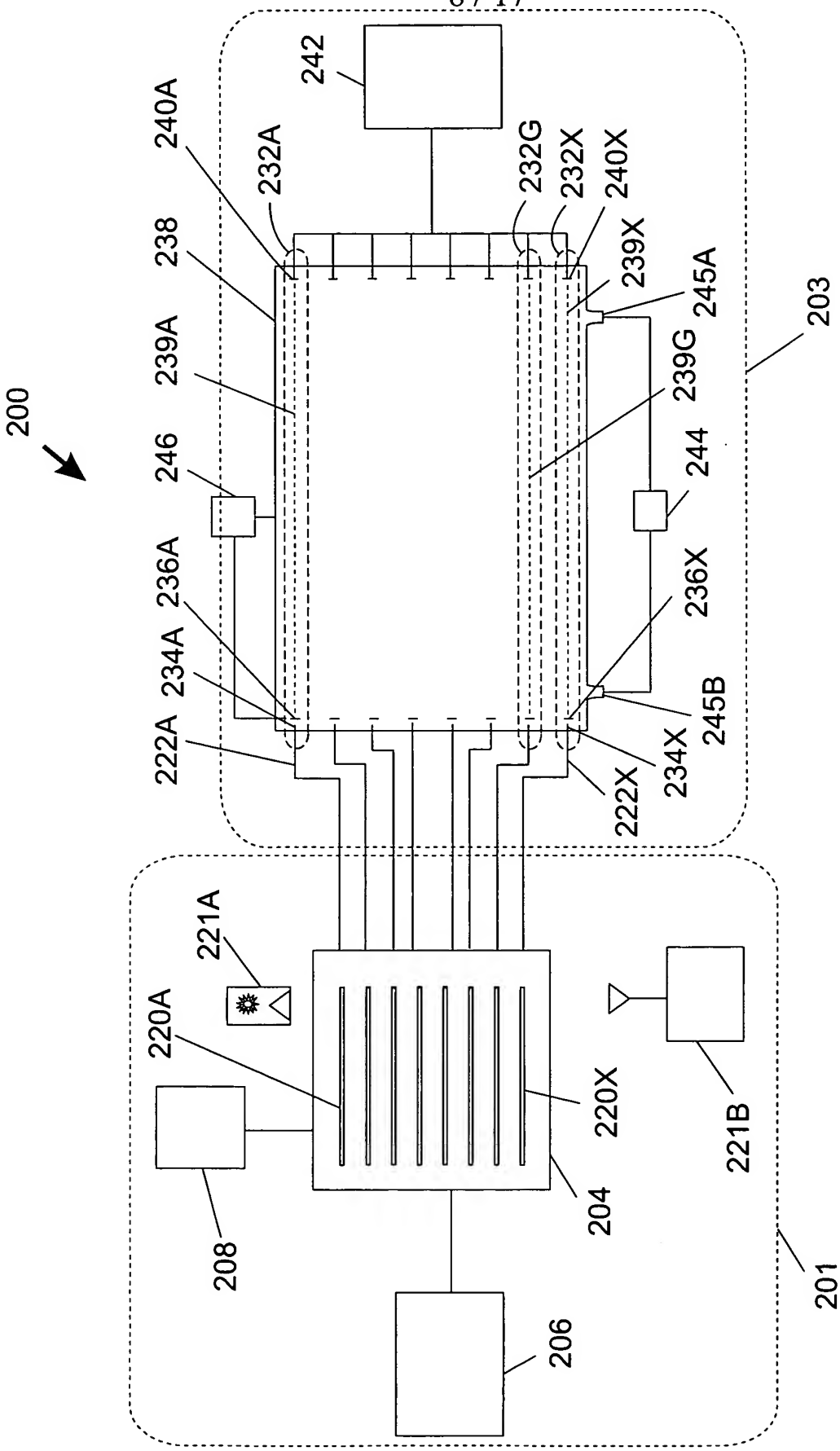
200
242
240A
232A
232G
232X
240X
238
239X
245A
203
239A
239G
246
244
236A
236X
234A
245B
222A
234X
222X
221A
220A
220X
221B
204
208
206
201

FIG._4

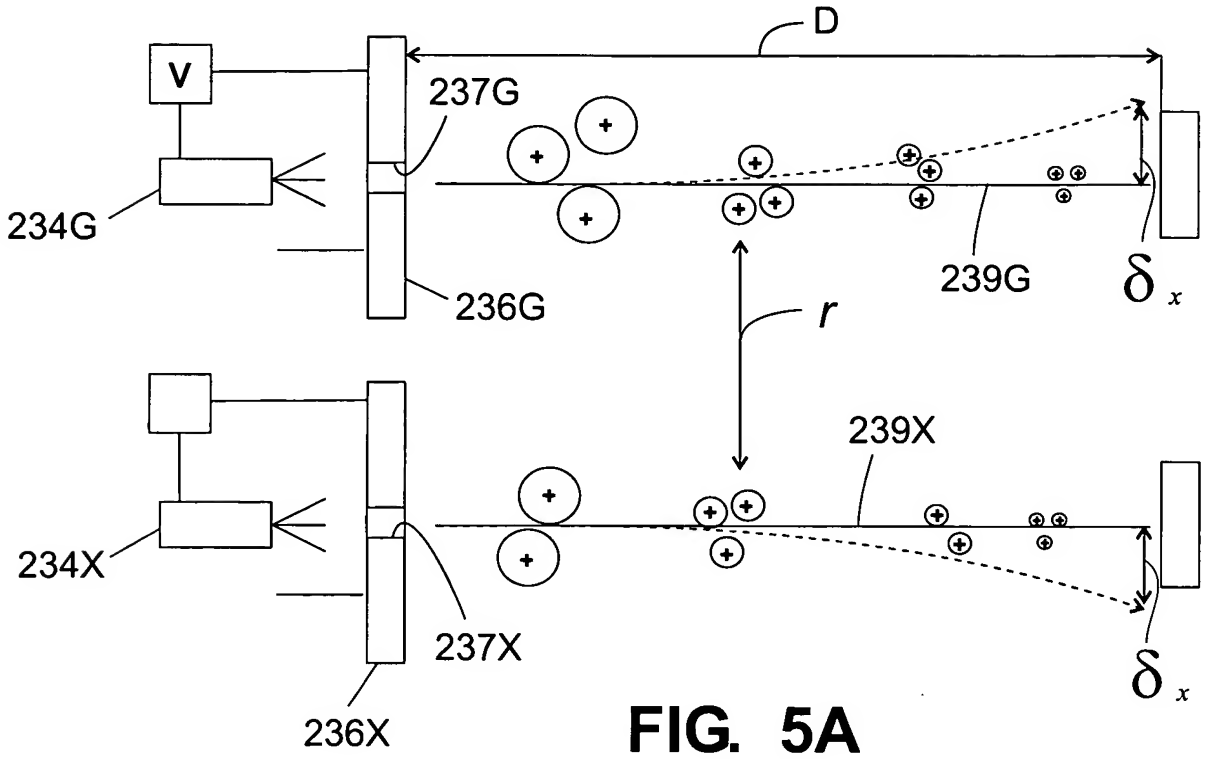
D
V
237G
234G
236G
239G
$\delta_x$
r
239X
234X
237X
236X
$\delta_x$

FIG._5A

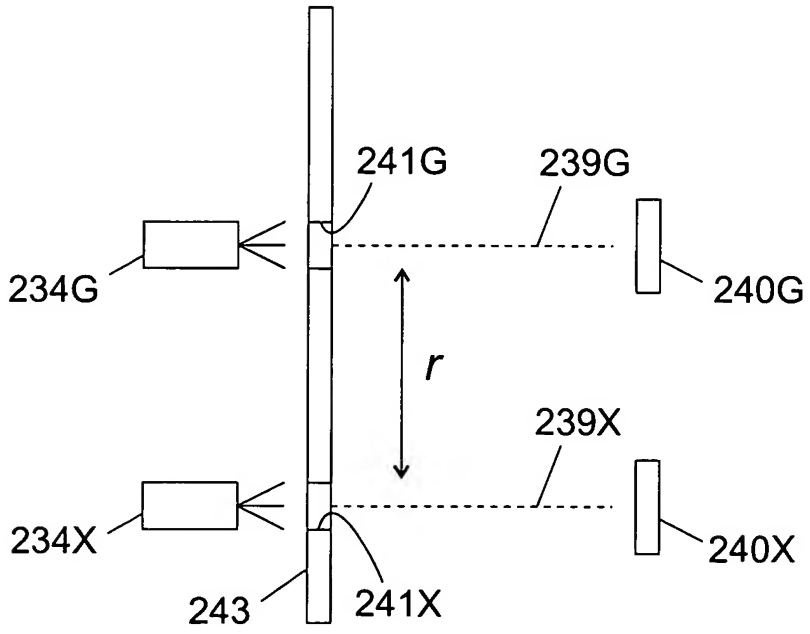
241G
239G
234G
240G
r
239X
234X
240X
243
241X

FIG._5B

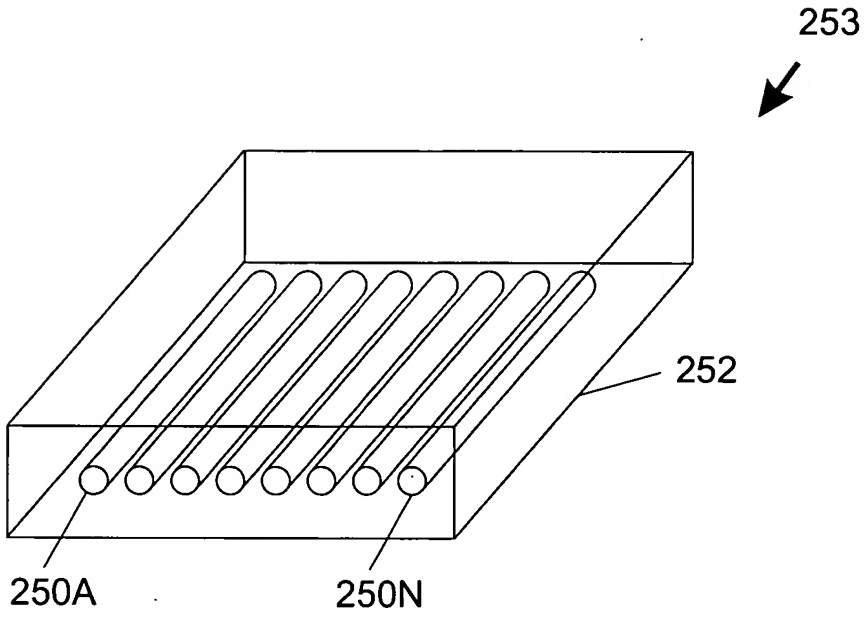


FIG._6

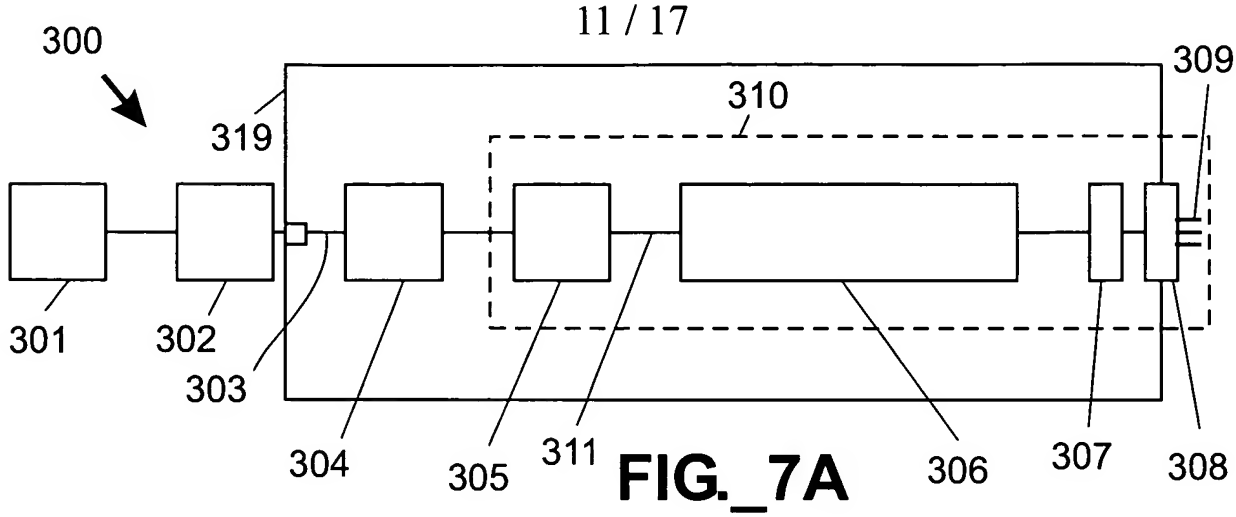


FIG._7A

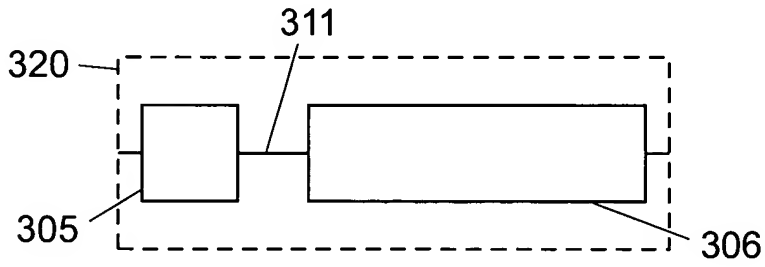


FIG._7B

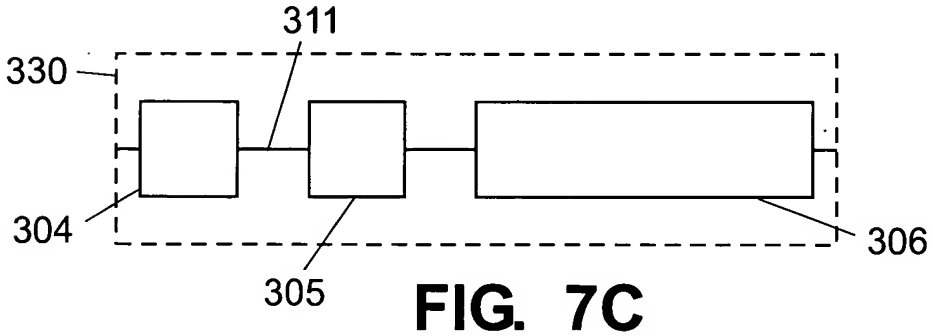


FIG._7C

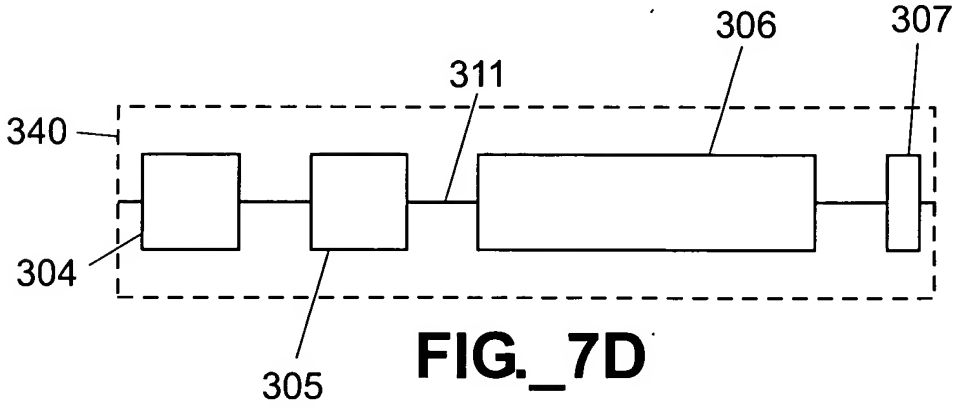


FIG._7D

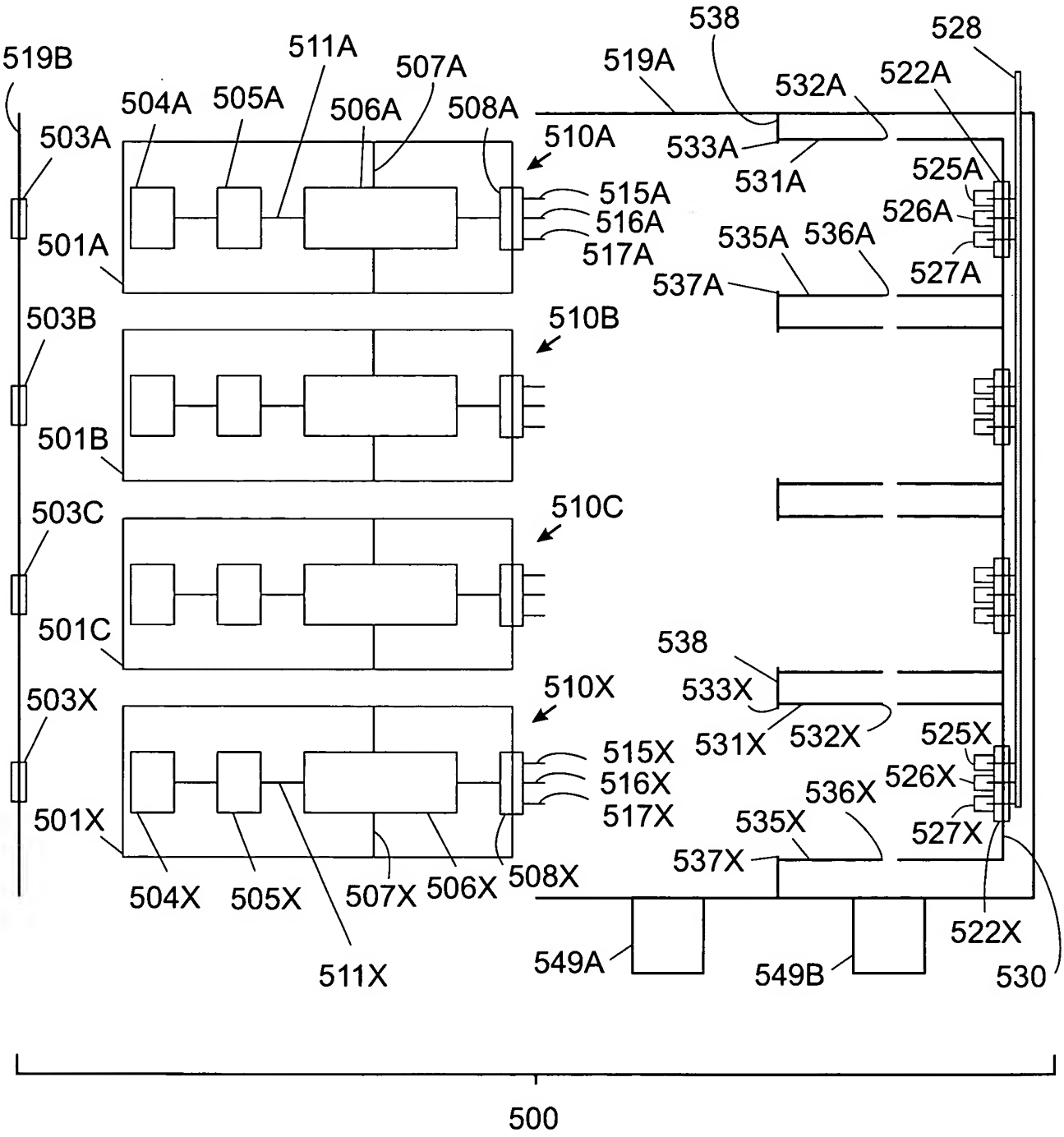
519B
511A
507A
538
519A
528
504A
505A
506A
508A
532A
522A
503A
510A
533A
525A
515A
531A
516A
526A
501A
517A
535A
536A
527A
537A
503B
510B
501B
503C
510C
501C
538
503X
510X
533X
531X
532X
525X
515X
516X
526X
536X
501X
517X
535X
527X
537X
504X
505X
507X
506X
508X
522X
549A
549B
530
511X
500

FIG._8A

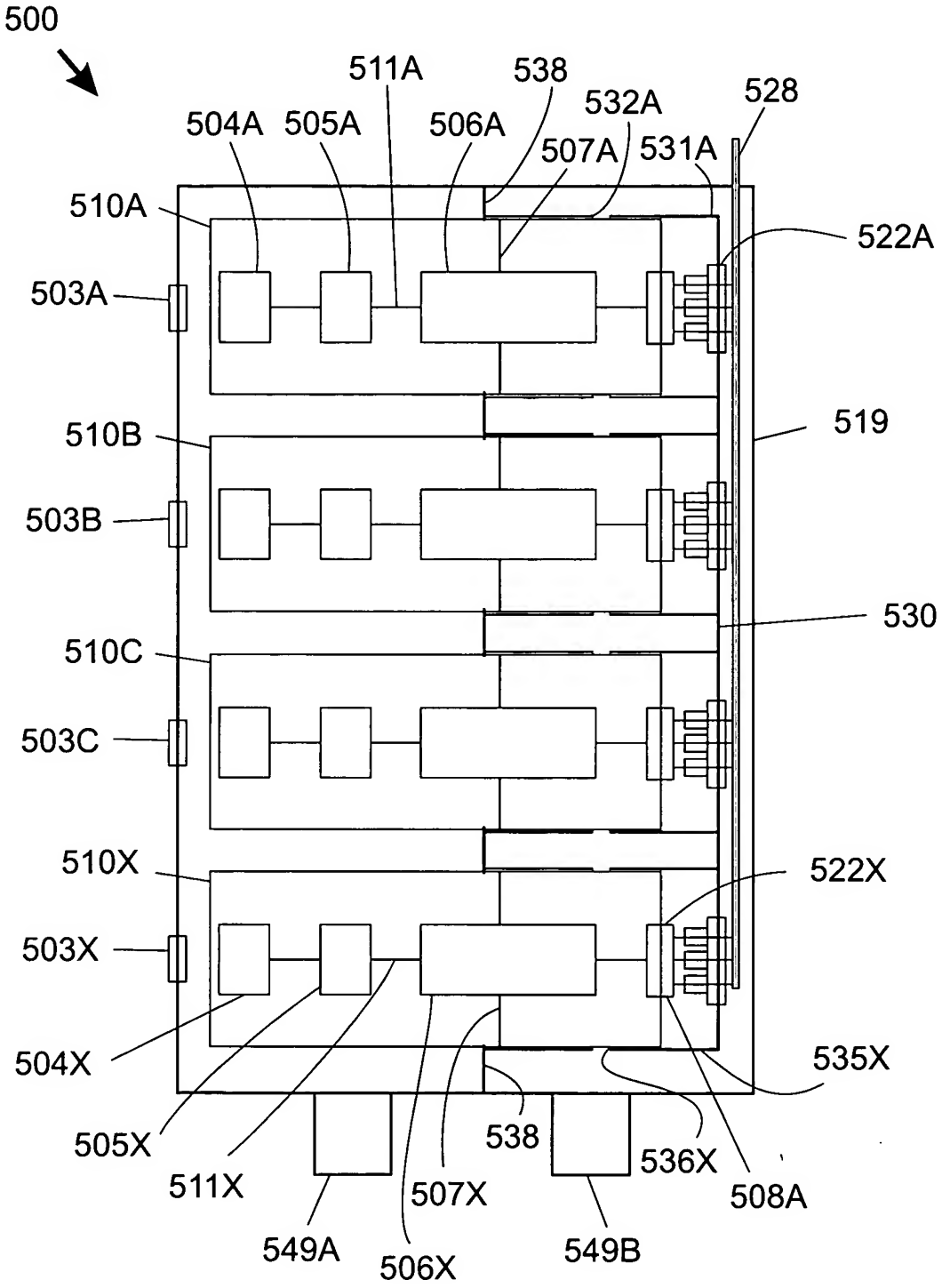
500
511A
538
532A
528
504A
505A
506A
507A
531A
510A
522A
503A
519
510B
503B
530
510C
503C
510X
522X
503X
504X
535X
505X
538
536X
511X
507X
508A
549A
506X
549B

FIG._8B

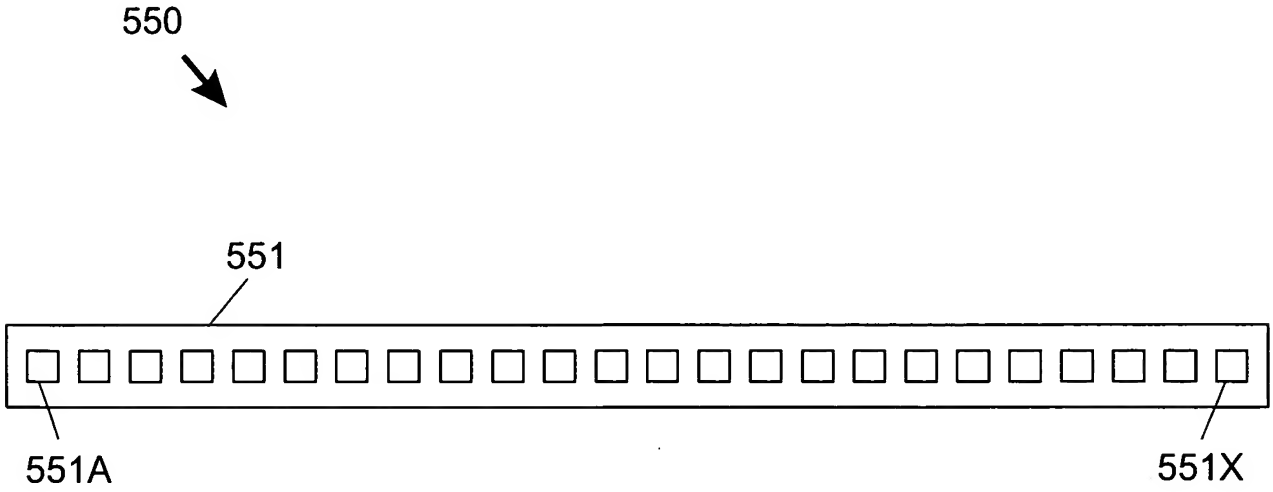


FIG._9A

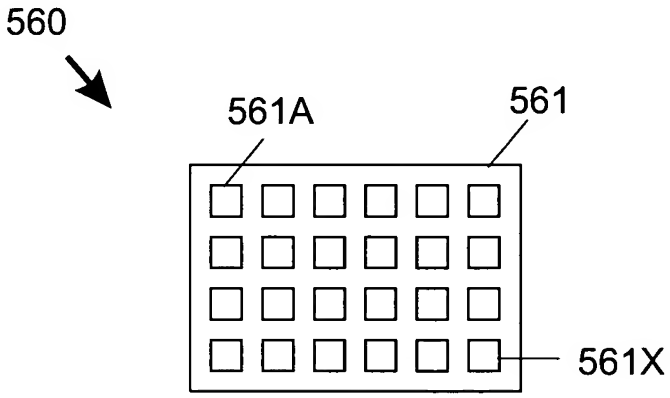


FIG._9B

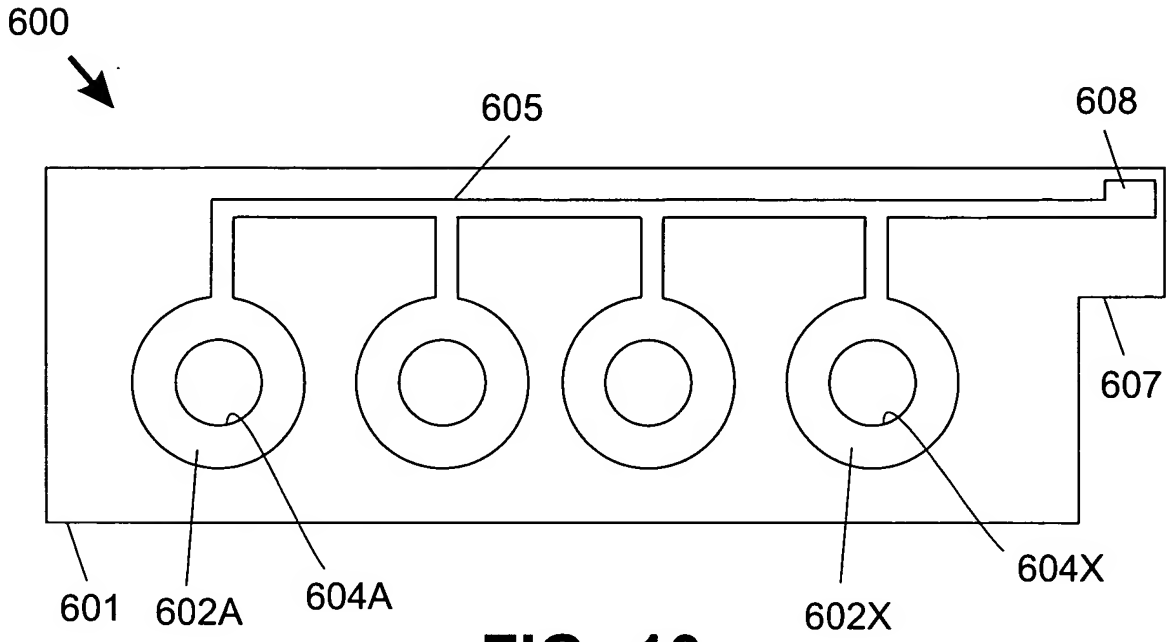
600
605
608
607
601
602A
604A
602X
604X

FIG._10

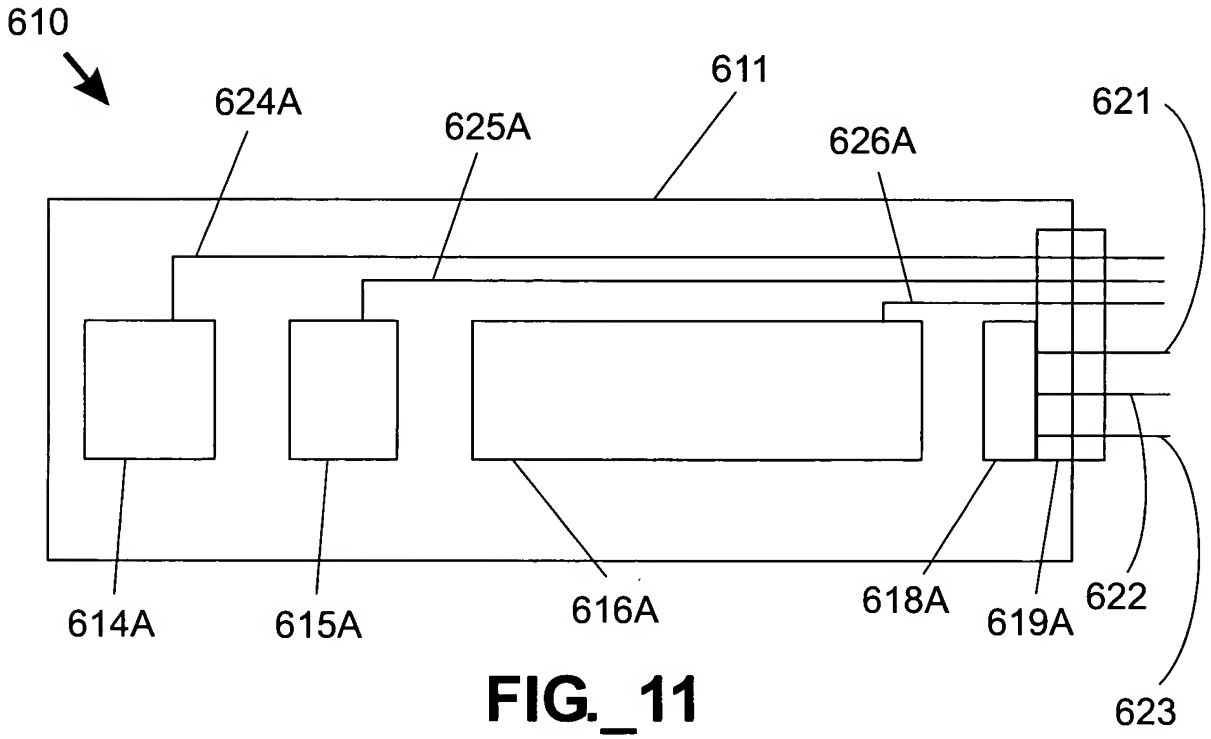
610
624A
625A
611
626A
621
614A
615A
616A
618A
619A
622
623

FIG._11

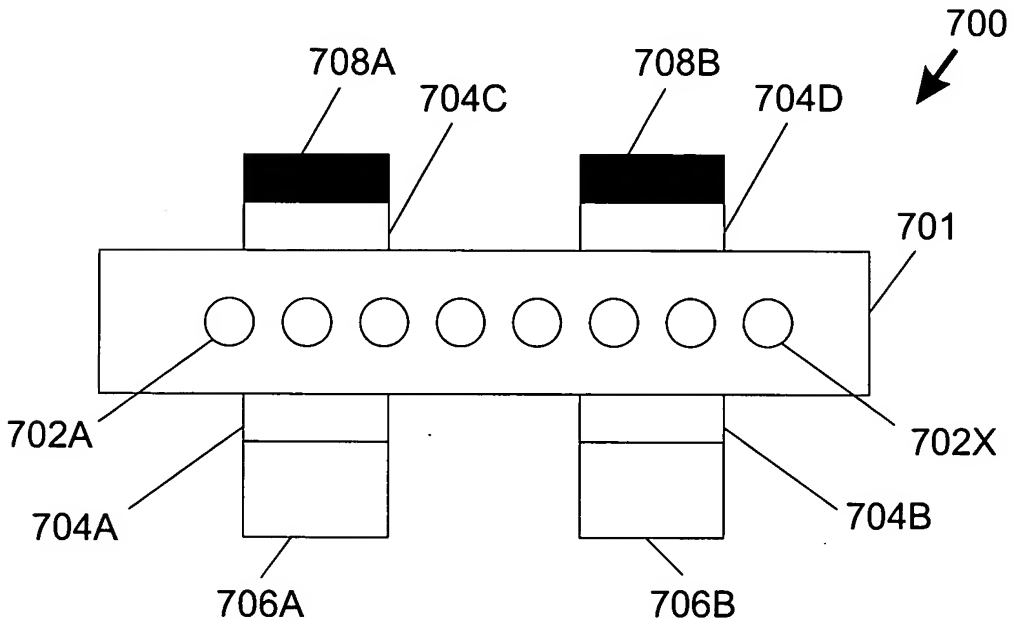


FIG._12A

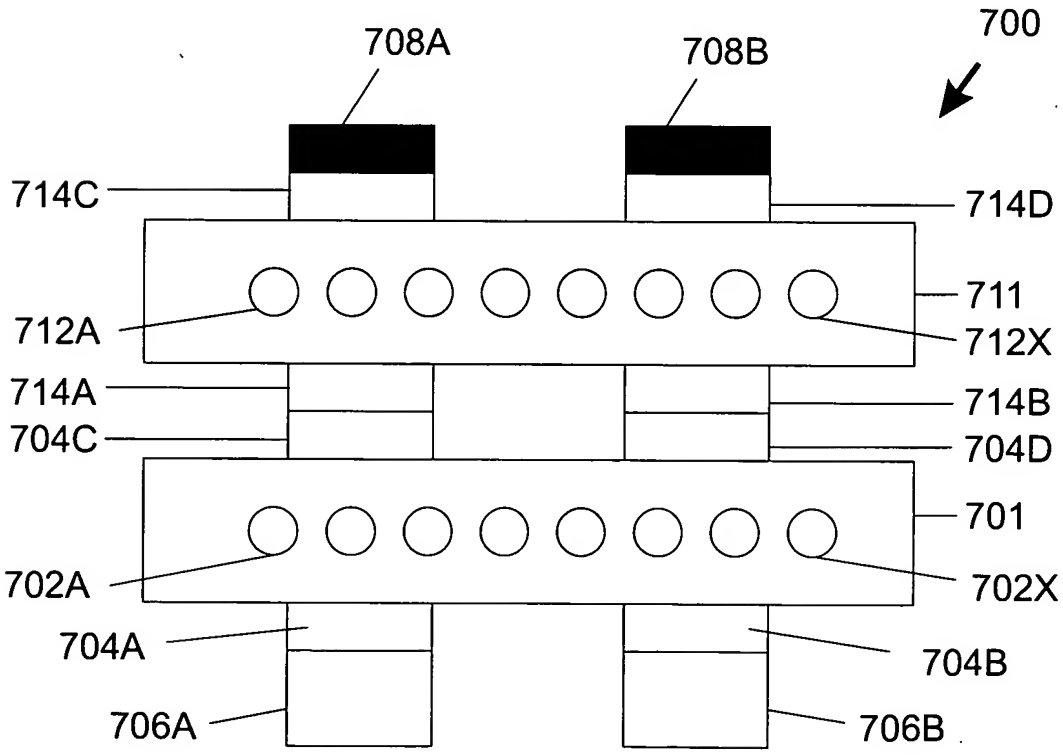


FIG._12B

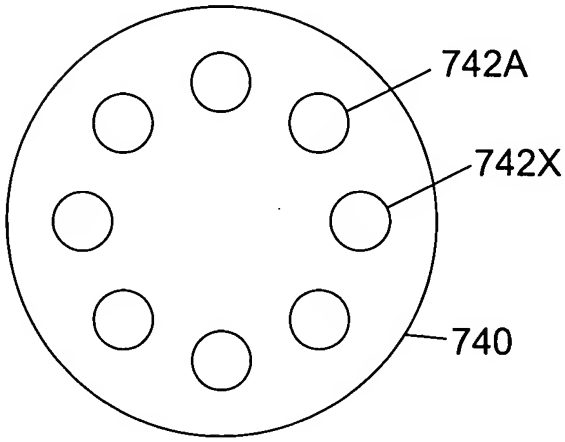


FIG._13

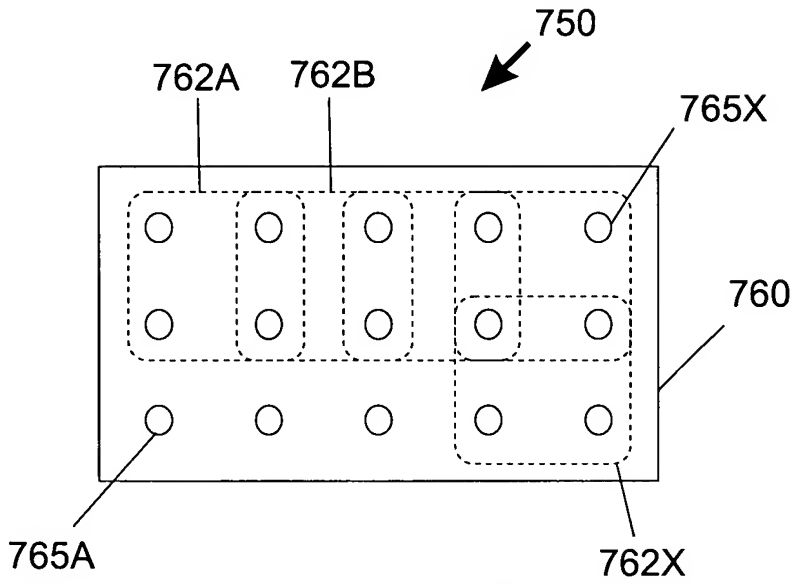


FIG._14A

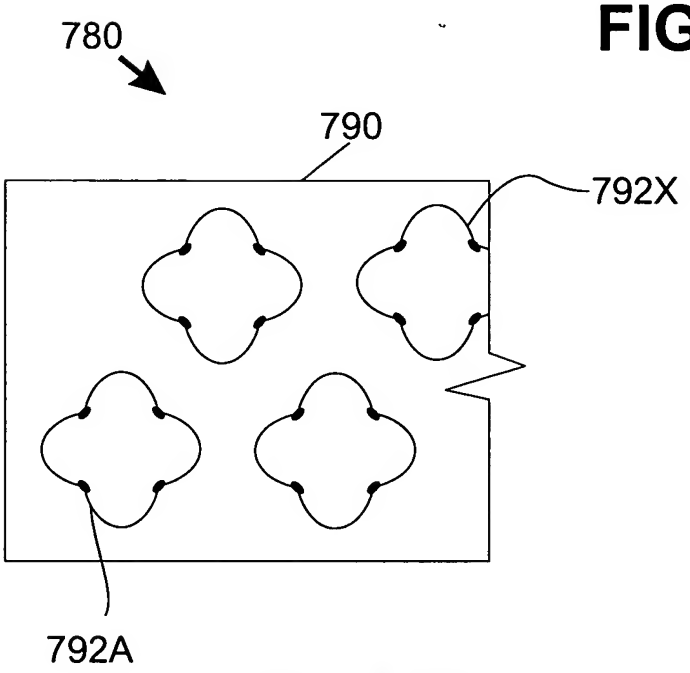


FIG._14B